T BOOK

...nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

First & Final Bill

SBR NO - 82/15-16
Dt: 18-6-15

BR-87/2...

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193864

Serial No.....

Name of work Improvements to Roads, Drains and covering Slab at Vemmanna Layout 1st and 2nd cross in ward No-10. Doddabommasandra. From..... To.....

Name of Contractor of nature of Agency Sri. Lakshminarayana. M.

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work Code No:-	010-15-000024.					
	Agreement No:-	279 Dated 03-02-2015.					
	Work order No:-	EE/BTP/BBMP/E-PMT/279/2014-15. Date 03-02-2015					
	Address of Agency:-	# 354, 5th A cross, Sharadamba Nagara Jalahalli. Bangalore-13.					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 03-02-2015.						
1)	Earth work excavation by manual means in Hard Soil involving an average horizontal throw upto 2meters and an average lift upto 0.5mt, excavated surface levered and sides neatly dressed, the disposed earth to be levered neatly after breaking of clods etc complete as per specifications.						
	Main Road	L	30.00	1.00	0.90	= 27.00 cum	
		L	30.00	1.00	0.90	= 27.00 cum	
		L	30.00	1.00	0.90	= 27.00 cum	
		L	30.00	1.00	0.90	= 27.00 cum	
		L	30.00	1.00	0.90	= 27.00 cum	
		L	28.00	1.00	0.90	= 25.20 cum	
	Cross Road 1	L	10.00	1.20	0.90	= 10.80 cum	
	Cross Road 2	L	30.00	1.00	0.90	= 27.00 cum	
	Cross Road	L	30.00	1.00	0.90	= 27.00 cum	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
n 03-02-2015.				
nual means in Hard soil involving row upto 2meters and an average surface levered and sides neatly n to be levered neatly after breaking per specifications.				
30.00	1.00	0.90 =	27.00 cum	
30.00	1.00	0.90 =	27.00 cum	
30.00	1.00	0.90 =	27.00 cum	
30.00	1.00	0.90 =	27.00 cum	
30.00	1.00	0.90 =	27.00 cum	
28.00	1.00	0.90 =	25.20 cum	
10.00	1.20	0.90 =	10.80 cum	
30.00	1.00	0.90 =	27.00 cum	
30.00	1.00	0.90 =	27.00 cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193865

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	1.00	0.90 =	27.00 cum	
		1	24.00	1.00	0.90 =	21.60 cum	
					Total =	273.60 cum	
		Qty limited to Tender =				273.60 cum	
		@ Rs	105.00			Rs	28728.00
	2) Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed concrete laid in layers not exceeding 15cms thick						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in foundation and plinth, including cost of all materials, labour curing etc complete as per specifications and directions of engineer.						
	Main Road	1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	28.00	1.00	0.15 =	4.20 cum	
	Cross Road 1	1	10.00	1.20	0.15 =	1.80 cum	
	Cross Road 2	1	30.00	1.00	0.15 =	4.50 cum	
	Cross Road	1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	24.00	1.00	0.15 =	3.60 cum	
					Total =	45.60 cum	
	@ RS	4847.00				RS	221023.00

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Meas

Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	3) providing and removing centering removal of form work for ver including attached pilasters of all materials labour etc.	
	Main Road drain	4
		4
		4
		4
		4
	Cross Road 1	4
	Cross Road 2	4

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
including cost of all materials, labour specifications and directions of				
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
28.00	1.00	0.15 =	4.20 cum	
10.00	1.20	0.15 =	1.80 cum	
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
30.00	1.00	0.15 =	4.50 cum	
24.00	1.00	0.15 =	3.60 cum	
		Total =	45.60 cum	
4847.00			RS	221023.00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193866

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
3)	providing and removing centering, shuttering, struting, propping etc. and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttresses. plinth and string courses cost of all materials labour etc.						
	Main Road drain	4	30.00		0.60 =	72.00 Sqmt	
		4	30.00		0.60 =	72.00 Sqmt	
		4	30.00		0.60 =	72.00 Sqmt	
		4	30.00		0.60 =	72.00 Sqmt	
		4	30.00		0.60 =	72.00 Sqmt	
		4	28.00		0.60 =	67.20 Sqmt	
	Cross Road 1	4	10.00		0.75 =	30.00 Sqmt	
	Cross Road 2	4	30.00		0.60 =	72.00 Sqmt	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cross Rad	4	30.00		0.60 =	72.00 Sqmt	
		4	30.00		0.60 =	72.00 Sqmt	
		4	24.00		0.60 =	57.60 Sqmt	
					Total =	730.80 Sqmt	
		Qty limited to Tender			=	729.60 Sqmt	
		@ Rs	294.00			Rs	214502-00
4)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregates machine mixed concrete laid in layers not exceeding 15cms thick. vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels retaining walls, return walls, including attached plasters, columns, piers, abutments, pillars posts struts including cost of all materials.						
	Bottom						
	Main Road	1	30.00	0.90	0.15 =	4.05cum	

M.A.R. 57

Measure

Serial No.....

Name of work.....From....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Length 4
		1	30.
		1	30.
		1	30.
		1	30.
		1	28.
	Cross Road1	1	10.
	Cross Road2	1	30.
	Cross Road	1	30.
		1	30.
		1	24.
	Sidewalls		
	Main Road	2	30.
		2	30.

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00		0.60 =	72.00 Sqmt	
30.00		0.60 =	72.00 Sqmt	
24.00		0.60 =	57.60 Sqmt	
		Total =	730.80 Sqmt	
mited to Tender		=	729.60 Sqmt	
294.00			Rs 214502-00	
position reinforced cement concrete of cement @ 320kgs with 20mm and down coarse aggregates machine mixed t exceeding 15cms thick. vibrated for plinth and ground floor level for roof forming walls, return walls, including piers, abutments, pillars posts struts, d.				
30.00	0.90	0.15 =	4.05cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193867

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	0.90	0.15 =	4.05cum	
		1	30.00	0.90	0.15 =	4.05cum	
		1	30.00	0.90	0.15 =	4.05cum	
		1	30.00	0.90	0.15 =	4.05cum	
		1	28.00	0.90	0.15 =	3.78cum	
	Cross Road1	1	10.00	0.90	0.15 =	1.35cum	
	Cross Road2	1	30.00	0.90	0.15 =	4.05cum	
	Cross Road	1	30.00	0.90	0.15 =	4.05cum	
		1	30.00	0.90	0.15 =	4.05cum	
	Sidewalls	1	24.00	0.90	0.15 =	3.24cum	
	Main Road	2	30.00	0.15	0.55 =	4.95cum	
		2	30.00	0.15	0.60 =	5.40cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.15	0.60 =	5.40 Cum	
		2	30.00	0.15	0.65 =	5.85 Cum	
		2	30.00	0.15	0.60 =	5.40 Cum	
		2	28.00	0.15	0.65 =	5.46 Cum	
	Cross Road1	2	10.00	0.15	0.55 =	1.65 Cum	
	Cross Road2	2	30.00	0.15	0.60 =	5.40 Cum	
	Cross Road	2	30.00	0.15	0.60 =	5.40 Cum	
		2	30.00	0.15	0.60 =	5.40 Cum	
		2	24.00	0.15	0.65 =	4.68 Cum	
					Total =	95.76 Cum	C&FC
		@ Rs 6065.00					Rs 580784.00

5) Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping welding wherever required, tying with binding wire and anchoring to the adjoining to the members wherever necessary complete as per design

M.A.R. 5

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Serial No.....

Name of work.....From...

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Le
1	2	3	
	Qty vide page No 1938 of this M.B No - 1939 @ Rs 797		
	6) Providing granite slabs of sec in cement mortar (1:6) includi specifications and direction		
	Main Road covering	1	30
		1	30
		1	30

...UREMENT BOOK

...er	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	30.00	0.15	0.60 =	5.40 Cum	
	30.00	0.15	0.65 =	5.85 Cum	
	30.00	0.15	0.60 =	5.40 Cum	
	28.00	0.15	0.65 =	5.46 Cum	
	10.00	0.15	0.55 =	1.65 Cum	
	30.00	0.15	0.60 =	5.40 Cum	
	30.00	0.15	0.60 =	5.40 Cum	
	30.00	0.15	0.60 =	5.40 Cum	
	24.00	0.15	0.65 =	4.68 Cum	
			Total =	95.76 Cum	C&FC
	Rs 6065.00				Rs 580784.00

...nforcement for R.C.C work including ...nding, hooking, placing in position, lapping ...reel, tying with binding wire and anchoring ...members wherever necessary complete

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193868

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page No 193899 of this M.B No - 1939					= 57.46 Qtl	
		@ Rs 7975.00					Rs 458244.00
6)	providing granite slabs of selected quality rouguly dressed and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the work						
	Main Road covering	1	30.00		0.90 =	27.00 Sqmt	
		1	30.00		0.90 =	27.00 Sqmt	
		1	30.00		0.90 =	27.00 Sqmt	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	28.00		0.90 =	25.20 Sqm	
	Cross Road 1	1	10.00		0.90 =	9.00 Sqm	
	Cross Road 2	1	30.00		0.90 =	27.00 Sqm	
	Cross Road	1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	26.00		0.90 =	23.40 Sqm	
					Total =	273.60 Sqm	
		@ Rs	642.00			Rs	175651.00

7) providing chamfering edges to stone slab 2.5 cms wide as per specific (only chamfered length shall be recorded) etc complete as per

		507	3.00			= 1521.00 mL	
		@ Rs	32.00			Rs	48672.00

M.A.R. 5

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Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	L
1	2	3	
8)	providing two line dressing f etc complete as per specific of the work		
	Qty vide Item		
	@ Rs 8		
9)	Lead for Disposal of Debris Mechanical means including		
	Qty vide I		
	@ Rs 73.		

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00		0.90 =	27.00 Sqm	
30.00		0.90 =	27.00 Sqm	
28.00		0.90 =	25.20 Sqm	
10.00		0.90 =	9.00 Sqm	
30.00		0.90 =	27.00 Sqm	
30.00		0.90 =	27.00 Sqm	
30.00		0.90 =	27.00 Sqm	
26.00		0.90 =	23.40 Sqm	
		Total =	273.60 Sqm	C&FC
642.00			Rs	175651.00 24/6

...o stone slab 2.5cms wide as per specific... ...ll be recorded jete complete as per

3.00			= 1521.00 mL	
32.00			Rs	48672.00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193869

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	providing two line dressing to granite stone slab/granite stone masonary etc complete as per specifications and directions of engineer in charge of the work						
	Qty vide Item no-06 @ Rs 851.00					= 273.60 Sqm	C&FC
						Rs	232834.00 24/6
9)	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading.						
	Qty vide Item no-01 @ Rs 73.00					= 259.92 cum	
						Rs	18974.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Add 1% for third party inspection charges					Rs	19794.00
						Total Rs	1999206.00
							19794/2.00
							Zadhav AE 30/5/2015
	certificate :- certified that the above work done satisfactory and no materials issued from departmentally						
	Zadhav AE W-10. 30/5/2015.						

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M.A.R. 57 (

Measurem

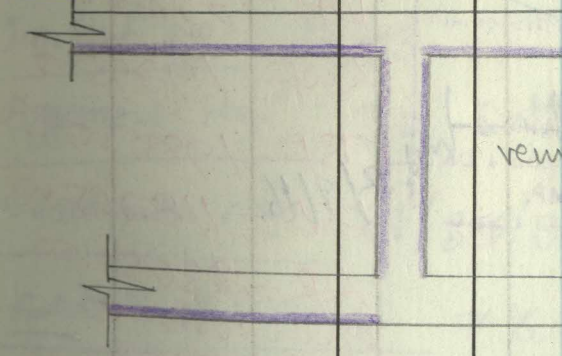
Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Di	
		Number	Length
1	2	3	4
	Sketch showing the loca		



Zadhav AE 30/5/2015.

...REMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Length 4	Breadth 5	Depth 6	7	8
...s inspection charges				RS	19794.00
				Total RS	1999206.00
					1999412.00
					Jadhav AE 30/5/2015
...e ...nway 30/5 ಸ.ಕಾ.ಅ.					
The above work done satisfactory ...als issued from departmentally					
...5/2015.		...nway ಸ.ಕಾ.ಅ.			

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193870

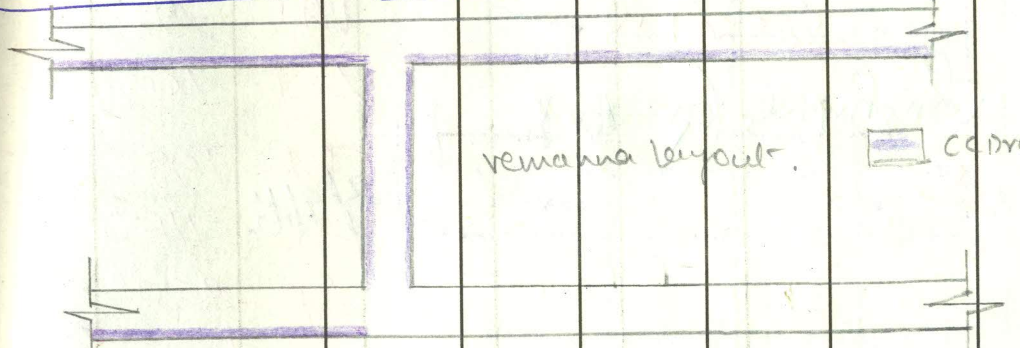
Serial No.................................

Name of work.................................From.................................To.................................

Name of Contractor of nature of Agency.................................

Date of commencement of work.................................

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sketch Showing the location of work done Spot						



...nway 30/5 ಸ.ಕಾ.ಅ.

Jadhav AE 30/5/2015.

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24/6/15

MEASUREMENT BOOK

description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8

Audited & Admitted for Rs 1979410-00
171849-00 by Cheque
and Rs 263561-00 by Adjustment
Accts Auditor
Byatarayanapura Dn
BBMP

Exe Engineer
Byatarayanapura Dn
BBMP.

IT - 19795-00
VAT - 79176-00
LWF - 19795-00
CBF - 1980-00
[illegible] - 118765-00
LR - 23050-00
RTN - 1000-00
Total - 263564-00

2/9/16

First & Final Bill

M.A.R. 57 (

Serial No. SBR no - 282/13-16 Measureme
D: ~~2-11-16~~ 18

Name of work Engaging JCB and Tracta
and other debris in ward From

Name of Contractor of nature of Agency Sri. R.S.

Date of commencement of work

Date	Full description, etc, of work	Dim	
		Number	Length
1	2	3	4
	Work code no:-	010-15-000	
	Indent no:-	13903.	
	Aggement no:-	312.	Dated
	Work order no:-	EE/BTP/BB	
	Address of Agency:-	#15, R Jallal Bang	